Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score: \_\_\_\_\_\_\_\_\_\_/25 pts

**Lab Report Rubric Reports must be typed and printed.** *Due at beginning of class on due date. Each day late = minus one letter grade*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Exemplary | Accomplished | Developing | Beginning | Points |
| **Informative Title** | Title clearly explains the specific purpose of the investigation | Title explains the specific purpose of the investigation | Title gives some indication of purpose of the investigation | Title mentions some part of the investigation | /1 |
| **Introduction/ background** | * Includes purpose of investigation which clearly linked to title * Provides accurate and extensive background information which helps reader understand key points of investigation * Accurately describes all variables, constants, and control group(s) of lab * Includes specific methods to minimize risks | * Includes purpose of investigation which links to title * Provides accurate background information which helps reader understand key points of investigation * Describes the variables, constants, and control group(s) of lab * Includes methods to minimize risks | * Includes purpose of investigation * Provides some background information * Mention of variables, constants, and control group(s) of lab * Statements regarding risks | * Mentions investigation * Isolated statements surrounding background information | /3 |
| **Hypothesis**  Format: *If…[IV changes]…then [DV changes]…because…”.* | Clearly and accurately states relationship between independent and dependent variables AND provides scientific reasoning to support the prediction. | States relationship between independent and dependent variables AND provides reasoning to support the prediction. | States variables and provides a prediction. | An attempt at a prediction is made. | /1 |
| **Materials** | ALL materials and quantities of materials listed | Some materials and quantities of materials listed | Most materials listed | Some materials listed | /2 |
| **Procedure** | Step-by-step instructions written clearly **and** concisely in passive voice | Step-by-step instructions written clearly **or** concisely in passive voice | Step-by-step instructions written but not passive voice | Some statements regarding instructions | /4 |
| **Data table** | * Quantitative and qualitative data included * Accurate and appropriate data table with title * Accurate and appropriate graph with title, labelled axes, proper intervals * If applicable, labelled pictures of results | * Quantitative and qualitative data included * Data table with title * Graph with title, labelled axes, proper intervals | * A complete data table * Graph | * Some representation of data | /3 |
| **Discussion/ Conclusion** | * Accurately and concisely summarizes data. Describes any trends or patterns (or lack thereof) * Discusses relationship between the results and the hypothesis and the background information on which the hypothesis was based * Possible and known sources of errors explained and substantial improvements suggested * States whether or not the hypothesis was supported by the data | * Summarizes data. Describes any trends or patterns (or lack thereof) * Discusses relationship between the results obtained and the hypotheses * Known sources of errors explained * States whether or not the hypothesis was supported by the data | * Summarizes data. * Discusses relationship between the results obtained and the hypotheses * Known sources of errors explained * States whether or not the hypothesis was supported by the data | * Summarizes data * Mention of the hypothesis being supported. | /3 |
| **Wrap up Questions** | * All of the questions are numbered and answered in full sentences. * Reference is made to the original question or the question is “reflected” in the answer. | * All of the questions are numbered and answered in full sentences. * Reference is made to the original question. | * All of the questions are answered but no reference is made to the original question | * Some of the questions are answered |  |
| **Grammar, punctuation, spelling** | * All written in past tense and passive voice * All grammar, punctuation, spelling is correct. Subscripts/superscripts used properly (ex. CO2 - not CO2) | * Written in past tense and passive voice * Most grammar, punctuation, spelling is correct | * Written in past tense and passive voice * Some grammar, punctuation, spelling is correct | * Written in past tense and passive voice * Little grammar, etc., is correct | /1 |
| **Formatting and Works Cited** | * Entire document is MLA formatted. * ALL sources cited. Any class handouts used must be included. Wikipedia cannot be the only sources – need credible sources, too. | * Most of document is MLA formatted. * Sources cited, including class handout. Wikipedia cannot be the only sources – need a credible sources, too. | * Some of document is   MLA formatted.   * Sources cited | * Some sources cited. | /1 |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score: \_\_\_\_\_\_\_\_\_\_/25 pts

**Lab Report Checklist**

**Reports must be typed and printed.**

*Due at beginning of class on due date. Each day late = minus one letter grade*

* **Informative title** **\_\_\_\_\_\_\_/ 1pt**
* **Introduction/ Background \_\_\_\_\_\_/3 pts**
* **Hypothesis \_\_\_\_\_\_\_/1 pt**
* **Materials/ variables \_\_\_\_\_\_\_/ 4 pts**
* **Procedure \_\_\_\_\_\_\_/ 4 pts**
* **Data table \_\_\_\_\_\_\_/ 3 pts**
* **Discussion/ Conclusion \_\_\_\_\_\_\_ / 3 pts**
* **Wrap up Questions \_\_\_\_\_\_\_\_/4 pts**
* **Grammar, punctuation \_\_\_\_\_\_\_\_\_/ 1 pt**
* **Formatting and Works Cited \_\_\_\_\_\_\_\_\_/ 1 pt**

**TOTAL \_\_\_\_\_\_\_\_\_/25 points**